

Job Description for Professional Posts

Position and Grade:	Non Proliferation Specialist (P5)
Organizational Unit:	Seals Unit Surveillance, Seals and Remote Monitoring Section Division of Technical Support Department of Safeguards
Duty Station:	Vienna
Type/Duration of Appointment:	CFE

Organizational Setting

The Department of Safeguards is the organizational hub for the IAEA's safeguards work. The IAEA inspects nuclear and related facilities under safeguards agreements with more than 140 States.

Within the Department of Safeguards, the Division of Technical Support is responsible for providing technical support in safeguards specific equipment matters to the three Operations Divisions.

The Seals Unit, which is responsible for safeguards sealing systems and containment verification, is located in the Section for Surveillance, Seals and Remote Monitoring as part of the Division of Technical Support. The operating environment is collaborative, with due regard given to confidentiality.

Main Purpose

Under the supervision and guidance of the Head of the Seals Unit, the incumbent provides analysis, design, development, implementation, and support of specialized containment verification and sealing systems and equipment based both on active and passive technology

Role

The Containment Verification and Sealing Systems Analyst plays several key roles: scientific and technical advisor to the Unit Head ensuring the efficient and effective implementation of the Seals Unit's development, installation, service and verification activities; task officer for a number of R&D tasks managed both with internal resources and through the Member States Support Programs; expert providing support to the Division on sealing and containment verification related matters Advisor / Expert

Partnerships

The incumbent works in close cooperation with the Head of the Seals Unit to provide scientific and technical guidance to the Unit's staff members. He/she establishes links and engages with other staff members of the Division of Technical Support by providing support related to safeguards equipment that utilizes sealing and containment verification features. Furthermore, the Analyst cooperates with representatives of the Operations Divisions to support their seals and containment verification needs. He/she also interfaces with external counterparts in sealing and containment verification matters. He/she liaises with external R&D organizations and commercial equipment manufacturers on sealing and containment devices.

Functions / Key Results Expected

- Lead and manage containment verification and sealing systems development activities that include iterative vulnerability assessment during system design
- Enhance in-house capabilities to provide physical vulnerability reviews of containment verification and sealing systems.
- Coordinate the implementation and support of safeguards sealing and containment verification devices around the world.
- Initiate and/or update scientific and technical documentation, as required, including scientific and technical reports, operations manuals, technical procedures, and maintenance and training manuals in support of containment verification and sealing systems.
- Provide expert scientific and technical support at the Department of Safeguards level in the development, design, demonstration, test, evaluation, and installation of containment verification and sealing systems.

Knowledge, Skills and Abilities

- In-depth knowledge of the principles and practices of sealing and containment verification.
- Ability to keep abreast of technological developments.
- Strong interpersonal skills to deal effectively with internal and external counterparts.
- Strong communication skills including effective presentation skills and the ability to write and edit technical reports.
- Innovative thinking.
- Quality and customer orientation.

Education, Experience and Language Skills

- Advanced university degree or equivalent in communication technology, electronics, computer engineering, physics or an associated discipline
- At least 10 years of work experience in development, deployment, production or use of sealing systems and containment verification, preferably in the nuclear field
- Experience with safeguards equipment support or in a related field of work highly desirable
- Experience in vulnerability assessments

- Fluency in spoken and written English is essential. A working knowledge of at least one additional official IAEA language (Arabic, Chinese, French, Russian, Spanish) or German would be an advantage

Internal Human Resources use only:	
Effective Date:	
Occupational Group(s):	
Post Number:	